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PHOTOGRAPHIC INTERPRETATION REPORT

SA-O SAM SITES IN THE USSR



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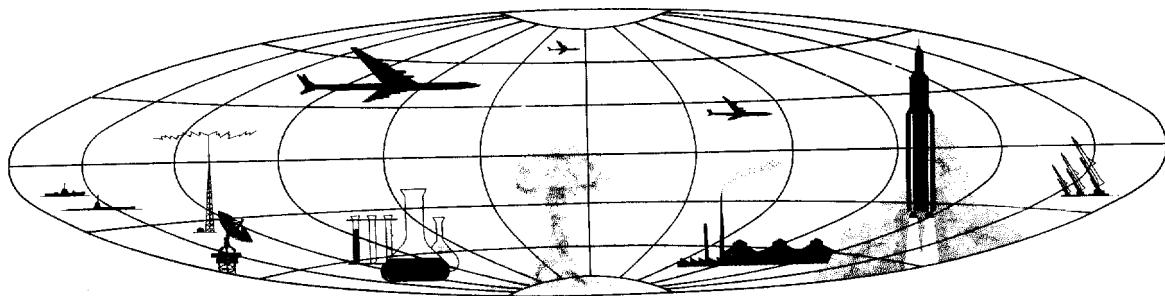
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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SA-0 SAM SITES IN THE USSR

As a result of the continuing photographic analysis of surface-to-air missile (SAM) activity in the USSR, 38 unidentified-type SAM sites are currently carried in NPIC listings. Eighteen of these have been previously referred to in NPIC publications as new-type SAM sites. However, none of these unidentified-type sites fully equate, in appearance, to typical SA-1, SA-2, or SA-3 SAM sites, and all are now arbitrarily designated as SA-0 SAM sites.

These SA-0 SAM sites, observed on KEY-HOLE [REDACTED] are divided into three general categories.

CATEGORY 1 SITES

These sites differ from typical SA-2 SAM sites in that the six drive-through launch revetments are positioned along an outer circular road and are serviced via an inner road system (Figure 1). Sites in this category are larger than the typical SA-2 site and are not collocated with other sites. These sites are generally similar to one another and have the appearance of a greater degree of permanency than the other SA-0 sites.

Eleven Category 1 sites have been identified in the USSR (Table 1).



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FIGURE 1. EXAMPLE OF CATEGORY 1 SA-0 SAM SITE.

CATEGORY 2 SITES

Each of these sites has six usually unrevetted launch positions arranged in a circular pattern, either along a circular road or

TABLE 1. CATEGORY 1 SA-0 SITES

Site	Coordinates
Murmansk SA-0 SAM Site B-10	68-56-00N 033-41-30E
Olenya SA-0 SAM Site B-11	68-04-30N 034-08-00E
Moloskovitsy MRBM Complex SA-0 SAM Site B-35	59-39-25N 029-02-30E
Kurossaare SA-0 SAM Site B-07	58-22-00N 022-53-30E
Yoshkar-Ola ICBM Complex SA-0 SAM Site B-15	56-23-00N 048-14-00E
Yoshkar-Ola ICBM Complex SA-0 SAM Site B-35	56-44-20N 048-06-00E
Glazov SA-0 SAM Site B-28	58-10-40N 052-11-30E
Balakovo SA-0 SAM Site B-06	52-10-40N 048-06-00E
Penza SA-0 SAM Site B-08	53-16-40N 045-31-00E
Penza SA-0 SAM Site B-26	53-08-15N 044-41-45E
Volsk SA-0 SAM Site A-17	51-54-30N 047-26-30E

25X1A

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within it, and a centrally located guidance area (Figure 2). Radials extending from the guidance areas to the launch positions are observed at many of these sites. The service roads are usually not clearly discernible, indicating that they are not surfaced. This category of SA-0 site is collocated with, and in many cases situated immediately adjacent to, a revetted SA-2 SAM site.

In many cases the collocated revetted SA-2 site has appeared to be unoccupied. The adjacent SA-0 site may serve as an alternate location for the SA-2 equipment during unfavorable weather conditions. The possibility of an additional or augmenting system has not been ruled out.

Sixteen Category 2 sites have been identified in the USSR (Table 2).

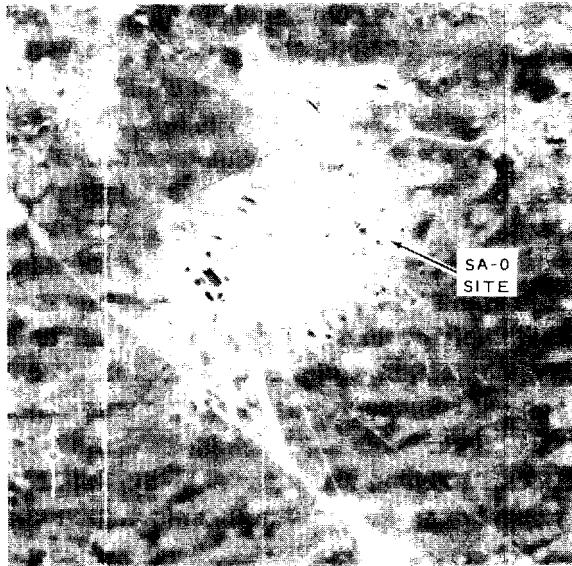


FIGURE 2. EXAMPLE OF CATEGORY 2 SA-0 SAM SITE.

TABLE 2. CATEGORY 2 SA-0 SITES

Site	Coordinates
Plesetsk ICBM Complex SA-0 SAM Site B-36A	63-11-40N 040-31-50E
Plesetsk ICBM Complex SA-0 SAM Site B06-A	63-06-30N 041-06-40E
Bratsk Dam SA-0 SAM Site B-31	56-12-30N 101-30-45E
Bratsk Dam SA-0 SAM Site (poss)	56-24-40N 102-08-30E (approx)
Petropavlovsk-Kamchatskiy SA-0 SAM Site B-28A (poss)	53-03-00N 158-17-40E
Kapustin Yar Missile Complex SA-0 SAM Site	48-24-00N 046-15-35E
Orsk SA-0 SAM Site	50-57-30N 058-25-05E
Tyura Tam SA-0 SAM Site B-03A	46-09-30N 063-36-10E
Tyura Tam SA-0 SAM Site B-08A	46-00-00N 063-54-30E
Tyura Tam SA-0 SAM Site B-08B	46-00-30N 063-54-30E
Tyura Tam SA-0 SAM Site B-13A	45-48-30N 063-44-15E
Tyura Tam SA-0 SAM Site B-13B	45-48-25N 063-44-15E
Tyura Tam SA-0 SAM Site B-21A	45-42-50N 063-20-20E
Tyura Tam SA-0 SAM Site B-26A	45-51-05N 063-02-50E
Tyura Tam SA-0 SAM Site B-26B	45-51-30N 063-03-05E
Tyura Tam SA-0 SAM Site B-32A	46-03-55N 063-14-10E

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FIGURE 3. EXAMPLE OF CATEGORY 3 SA-0 SAM SITE.

CATEGORY 3 SITES

These sites appear in varying configurations, with six probable launch positions and a centrally located probable guidance area (Figure 3). Sites in this category appear temporary due to the absence of structures or revetments and may be a field-type operation. These sites were first observed on KEYHOLE photography from [REDACTED] with snow conditions prevailing.

Eleven Category 3 sites have been identified in the USSR (Table 3).

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25X1D

TABLE 3. CATEGORY 3 SA-0 SITES

Site	Coordinates
Leningrad SA-0 SAM Site D-36	60-27-00N 030-13-30E
Leningrad SA-0 SAM Site D-34	60-23-50N 029-57-00E
Leningrad SA-0 SAM Site C-36B	60-19-55N 030-17-10E
Leningrad SA-0 SAM Site C-36A	60-19-20N 030-14-55E
Leningrad SA-0 SAM Site D-34A	60-24-40N 029-48-30E
Leningrad SA-0 SAM Site C-02 (poss)	60-19-15N 030-29-15E
Leningrad SA-0 SAM Site D-32 (poss)	60-19-15N 029-34-15E
Leningrad SA-0 SAM Site G-28	59-57-00N 029-34-45E
Leningrad SA-0 SAM Site C-24A	59-37-55N 029-31-10E
Leningrad SA-0 SAM Site C-25A	59-44-10N 029-28-10E
Poronaysk SA-0 SAM Site A-22	49-06-35N 142-57-15E

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